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(When Filled In)

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
OC-E			1 - 31 January 1963

ACTION

FUTURE	ACTIVE	COMPLETED	CANCELLED	SUSPENDED
	X			

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5020	I	WES	[redacted]

25X1A9a

PROJECT TITLE

Modification Work Orders

PROJECT REQUIREMENT

To notify all field stations of standard modifications to equipment

PROJECT DESCRIPTION

Reproduce necessary copies, assemble and prepare cover letters for all Modification Work Orders. Obtain approval and coordination. Determine category of distribution and forward to appropriate areas.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/HWK/ /FGI/	8 February '55	

REMARKS

Modification Work Order No. 55 - Low Level Keyer for Multiple TD Cabinet.

This Modification Work Order covers the installation of Versitron low level keyers in teletype tape relay transmitting cabinets. This particular keyer has been radiation tested in a transmitting cabinet and was found to be satisfactory in all respects.

Modification Work Order No. 56 - CSR-2 Modifications

This particular modification provides instruction for the modification of CSR-2, Character Sequence Recognizers to provide increased stability and reliability with respect to baud rate and speed variations and distortion acceptance. The M.W.O. was forwarded to Printing Services for reproduction on 6 February.

FORM 1543

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MONTHLY PROJECT REPORT

ORGANIZATION	PROJECT NO.	REPORTING PERIOD
OC-E	AMOUNT	1 - 31 January 1963

ACTION: X ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIME RESPONSIBILITY	PROJECT OFFICER
E-5037	II	WES	[redacted]

25X1A9a

Technical Bulletins

PROJECT REQUIREMENT

To keep the field supplied with current technical information pertinent to general operation.

PROJECT DESCRIPTION

. Scan technical literature to determine and select items for field distribution, determine distribution category, reproduce required number of copies, prepare cover letter, arrange approval and coordination, and forward to appropriate areas.

APPROVED BY	APPROVED BY	STARTING DATE	COMPLETION DATE
/HWK/_____		2 February '56	
/FGI/_____			

REMARKS

Technical Bulletin No. 42 provides instruction covering the various methods of installing the CSR-2, Character Sequence Recognizer. It was dispatched to the field on 31 January 1963.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
OC-E			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5085	I	PEB	[redacted] 25X1A9a

PROJECT TITLE

Communications Systems Planning for New Headquarters Building

PROJECT REQUIREMENT

To determine the types of Communications systems, and the quantities of equipment that will be required for installation in the new Headquarters Building to meet Agency communications requirements.

PROJECT DESCRIPTION

To investigate and compile information on new communications systems and equipment. To meet regularly with representatives of the Message Center Staff, Operations, Engineering, and Security Division, and the OC member of the New Building Planning Staff to discuss communications requirements for the new building. To prepare a list of the equipment that will be required and suggested floor plans and equipment layouts defining spare requirements.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
January 1957	WAB s/ JJK s/	January 1957	

REMARKS

Microwave installation is proceeding slightly behind schedule because of snow and cold weather. The reflectors and antenna system were installed at the [redacted] 25X1A6d 25X1A6b

The new tower was erected and finished at [redacted] The equipment has been installed at all stations but not powered. Specifications for 50 KC KY-5 carrier channel were approved for [redacted] with delivery sometime in March.

25X1A5a1

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(20-42)

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
OC-E			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5151			[redacted]

PROJECT TITLE

25X1A9a

Reviewal of Transmitter Field

PROJECT REQUIREMENT

Investigate specifications, cost and availability of transmitters and RF linear amplifiers in the 100 watt, 5000 watt and 20000 watt range having definite suitability for OC uses.

PROJECT DESCRIPTION

Investigate commercial and military equipment resources with a view toward selection of transmitters and/or linear amplifiers which will meet OC requirements at a reasonable cost. Prepare a report listing the relative merits and shortcomings of each as found by a comparison of manufacturers specifications and/or Agency tests.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
July 1959	/s/ CBG /s/ JFS		

REMARKS

25X1A5a1

1. The [redacted] the 1000 watt linear amplifier that was returned to the plant for repair was inspected by the chief of T and I at the [redacted] 25X1A5a1 plant. His report on the repair made, which was actually a re-design around the problem, was favorable; and the amplifier will be delivered back to us about the middle of the next reporting period.

2. After a few false starts and follow-up amendments, a requisition 25X1A5a1 is being processed by OL-PD for 6 each [redacted] amplifiers. It is planned to ship these to the various Field Headquarters for in-the-field operational evaluation. The Field Headquarters concerned have already been notified of this action and have received an evaluation form for completion.

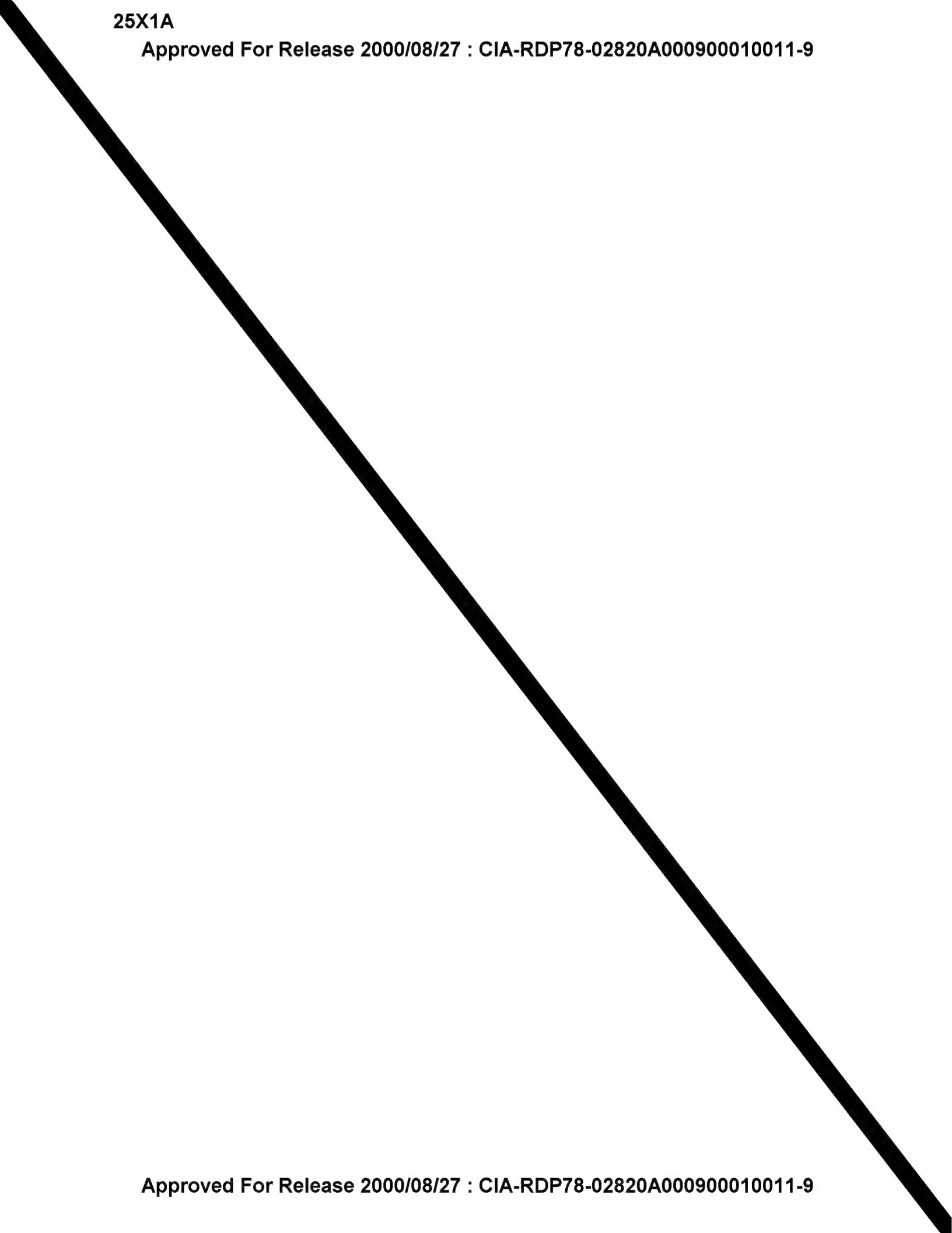
3. The procurement action for the [redacted] linear amplifier is 25X1A5a being held while the cognizant procurement officer is attending a school.

4. The contractor for the transit cases came in with an overrun of about $1400. Approval was given for the changes that caused the overrun, so appropriate funding action was taken. This sub-project is now completed.

MONTHLY PROJECT REPORT

PROJECT NUMBER	PRIN. RESPN.	REPORTING PERIOD
E-5151		1 - 31 January 1963

5. Another sub-project under this project number is beginning to claim sufficient time to be worthy of reporting. This is to find a suitable exciter-modulator capable of being remotely controlled for use with the 208U-10 or any other linear amplifier. A review of the available equipment was made, and specifications were drafted for a system to fulfill the requirement.



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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
C-E			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5213	II	YES	[redacted]

PROJECT TITLE

25X1A9a

TRANSISTORIZED MULTICOUPLER

PROJECT REQUIREMENT

Provide information on various transistorized receiving multicouplers, suggesting the best as STANDARD in all base and field stations.

PROJECT DESCRIPTION

Investigate all transistorized receiving multicouplers now available either commercially or through the military, or will be developed in the near future by commercial firms or military R+D projects to find a multicoupler with equal or better specifications than a tube-type for the Office of Communications, Initiate an Analysis and Appraisal of promising equipment and report these findings for possible STANDARDIZATION of one by OC.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/FGI/ /HMK/	August 1961	

REMARKS

1. The reports on both the TRAK and HRB-Singer transistorized multicouplers were received and compared. It was noted that the TRAK unit was superior in all respects. Since the report did state that the TRAK unit had deficiencies when operating below 5 degrees Centigrade, and a question of how high an RF voltage the coupler could withstand before damage was raised, both these questions were proposed to the manufacturer. A re-design of the power supply took care of the malfunction mentioned in the report (now able to operate down to minus 5°C.) and 50 volts of RF was applied to the input terminals without damage.

2. A second advantage of the TRAK unit arose when it was offered for sale at a price of $900. per unit over the originally quoted price of $2500. with an additional price reduction in quantity purchase. Two multicouplers were requisitioned for shipment to station [redacted] for operational evaluation.

25X1A6b

25X1A6b

3. [redacted] was queried for the possible continued requirement they had for a line/antenna amplifier-coupler. This is the unit that is installed at the down-lead of a receiving antenna to amplify the signals received to overcome losses before entering long co-axial transmission lines. [redacted] was offered two units, TRAK and HRB-Singer built for their use and evaluation.

25X1A6b

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
OC-E			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
B-5215		PMB	[redacted]

PROJECT TITLE

REVIEW OF MOBILE AND BASE SURVEILLANCE EQUIPMENT

25X1A9a

PROJECT REQUIREMENT

Present standard mobile and base equipment as related to two-way surveillance use required review as it is purchased and stocked in a different configuration than what the manufacturer offers. Also, transistorized and recent equipment should enter this review and a stock level should be set.

PROJECT DESCRIPTION

Investigate available commercial mobile and base station equipment with the object of selecting the best to meet OC two-way surveillance requirements at a reasonable cost. Prepare a comparison chart listing the merits and shortcomings of each based on the manufacturers specifications or evaluations, if required. Submit results to OC-T for review and coordination.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/FGI/ /HWK/	January 1962	

REMARKS

25X1A5a1

1. The [redacted] miniature transmitter and receiver, one set on the low band, one on the high, were received. A pair of the most qualified engineers gave them an initial "idiot" test in a restricted area and communicated with success. For a practical/operational test the sets were forwarded to OC-OS. Based on the latter test, if favorable, it is planned to budget for and purchase an initial limited stock of these sets.

25X1A5a1

2. The review of the [redacted] run of surveillance equipment had to be placed, unfortunately, in suspense before it was complete due to higher priority work.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY	BUDGET EST. AMOUNT	REPORTING PERIOD
			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5216		AES	[redacted]

PROJECT TITLE

25X1A9a

Antennas and Associated Equipment

PROJECT REQUIREMENT

For a better coordinated technical approach to the fulfillment of antennas and related equipment requirements, all previous and future antenna planning will be assigned this project number.

PROJECT DESCRIPTION

To assist the base and field stations in the design of new and renovation of present antenna systems.

To advise the base and field station on the latest developments in antennas, and transmitter to antenna matching devices.

To establish the antennas, associated equipment and related hardware that will be standard stock items.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/FGI/ /RWK/	March 1962	

REMARKS

25X1A6b

1. Except for a few clean up details, the new antenna installation at [redacted] is complete. The feed system on both of the horizontal Log Periodic Antennas had to be modified in order that the antennas would conform to the manufacturer's specifications. Impedance measurements were made on the new antennas and all now conform to design or manufacturer's specifications.

25X1A5a1

2. Due to the delay of [redacted] to submit qualified specifications for the redesign of the AN-47, and recent technical discussions with [redacted], it has been established that [redacted] can manufacturer the antenna couplers according to the new specifications.

25X1A5a1

25X1A6b

3. A coaxial patching system has been ordered for [redacted] The system will include VSWR sensing elements which will be permanently installed in the coaxial cable. This will allow all lines to be monitored without interruption of the circuit.

25X1A6b

4. Granger type conical monopole antennas have been requisitioned for [redacted] These antennas include non-corrosive type of material, i.e. calsum bronze radiators, aluminum towers, stainless steel fittings and nylon rope guys.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST FY	BUDGET EST AMOUNT	REPORTING PERIOD
OC-AFD			1 - 31 January 1963

ACTION: FUTURE | ACTIVE | COMPLETED | CANCELLED | SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5217	I	AES	[redacted]

PROJECT TITLE

25X1A9a

Rejuvenate

PROJECT REQUIREMENT

25X1A6b

Design new receiver site buildings, [redacted]

PROJECT DESCRIPTION

Design and layout of a new "interim" receiver building should accomodate: 1) A tape relay room for 18 circuits (including eight on-line), 2) Signal center area for 10 KW-26's, 3 Tot's, 2 HW-19A's, 3) Five CW positions, 4) On site maintenance, and 5) Office space for a chief, OPS officer, engineer, security and secretarial force. A second building will be required for adequate "area" warehousing, plus emergency power facilities. Note that maximum single-site purchase is legally limited to 5 acres, which effects antenna planning. Full details are carried in AFD M-62-055, dated 25 June 1962.

25X1A9a

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
July 1962	/HWK/ [redacted] /FGI/ [redacted]	July 1962	

REMARKS

25X1A6b

1. [redacted] concurred with Headquarters originated plans for reduced-size receiver building, but urged addition of warehouse area and central conditioning. AFD cabled agreement and requested estimate and drawings be obtained locally for final approval soonest. RE&CD will monitor and assist, and probably provide construction supervision.

2. Work was begun on design of a receiving antenna farm, possibly to include two diversity rhombic pairs for [redacted] two conical monopoles, a rotatable LP, and a fixed horizontal LP to a group of targets bearing generally northwest. A slight expansion of the T-site antenna farm (contingent upon funds) is envisioned to the extent of two monopoles and a rotatable LP.

25X1A6a

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